

Notice to EC4420 students:

I am not assigning a specific test for this course, since it is a set of advanced topics. I am however providing a list of references as follows. (I will be taking material from these sources.)

You should already have [1]. If you are interested in more detail about spectral analysis you may want to purchase [2] *or* [3]. For array processing we will be taking material from [4] and [5]. [5] is very comprehensive and *expensive*; but worth while if you plan to do follow-on work in array processing.

I am asking your training department if they could buy at least one copy of each of these books to have for reference.

Charles Therrien

References

- [1] Charles W. Therrien. *Discrete Random Signals and Statistical Signal Processing*. Prentice Hall, Inc., Upper Saddle River, New Jersey, 1992.
- [2] Steven M. Kay. *Modern Spectral Estimation: Theory and Application*. Prentice Hall, Inc., Upper Saddle River, New Jersey, 1988.
- [3] S. Lawrence Marple, Jr. *Digital Spectral Analysis with Applications*. Prentice Hall, Inc., Upper Saddle River, New Jersey, 1987.
- [4] Don H. Johnson and Dan E. Dudgeon. *Array Signal Processing: Concepts and Methods*. Prentice Hall, Inc., Upper Saddle River, New Jersey, 1997.
- [5] Harry L. Van Trees. *Optimum Array Processing*. John Wiley & Sons, New York, 2002. (Part IV of Detection, Estimation, and Modulation Theory).